

ABSTRACT OF THE DISCLOSURE

5 An apparatus for and method of efficiently accessing shared JavaScript objects
within a multi-user environment by reducing the overhead required to maintain
object/database property synchronization. A version is associated with each object to
10 indicate whether any particular requested access is associated with the most current
properties of the object. Each user has a version list which indicates whether any
particular object properties need be updated before access. The version list is maintained
10 in faster and more available memory than the actual object to enhance efficiency.